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EXPLORE THE IMPORTANCE OF THE ASPECTS OF SHADOW AND LIGHT AS A FUNDAMENTAL TOOL IN PENCIL DRAWING

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ABSTRACT

In this written article in pencil drawing, which is one of the foundations of fine art, be it household items, geometric elements, landscape or portrait, in all of them the main tool is the light and shadow aspects. Each step is illustrated with drawings.

KEYWORDS

Fine art, pencil drawing, image, architecture, line, building, composition, light-shadow, constructor, volume, geometric body, cube, sphere, prism, pyramid, painting, sculpture, sketch.

INTRODUCTION

When we say "shadow and light", we mean dark and light lines and how they are distributed in the image of each object. Regardless of the type and genre of the clock, architects have no choice but to turn to pencil drawing, since an architect in his studies of the

composition of buildings and structures always works primarily with pencil drawings, i.e. sketches. It is also important to learn the rules of chiaroscuro with a detailed knowledge of pencil drawing (Figure 1).

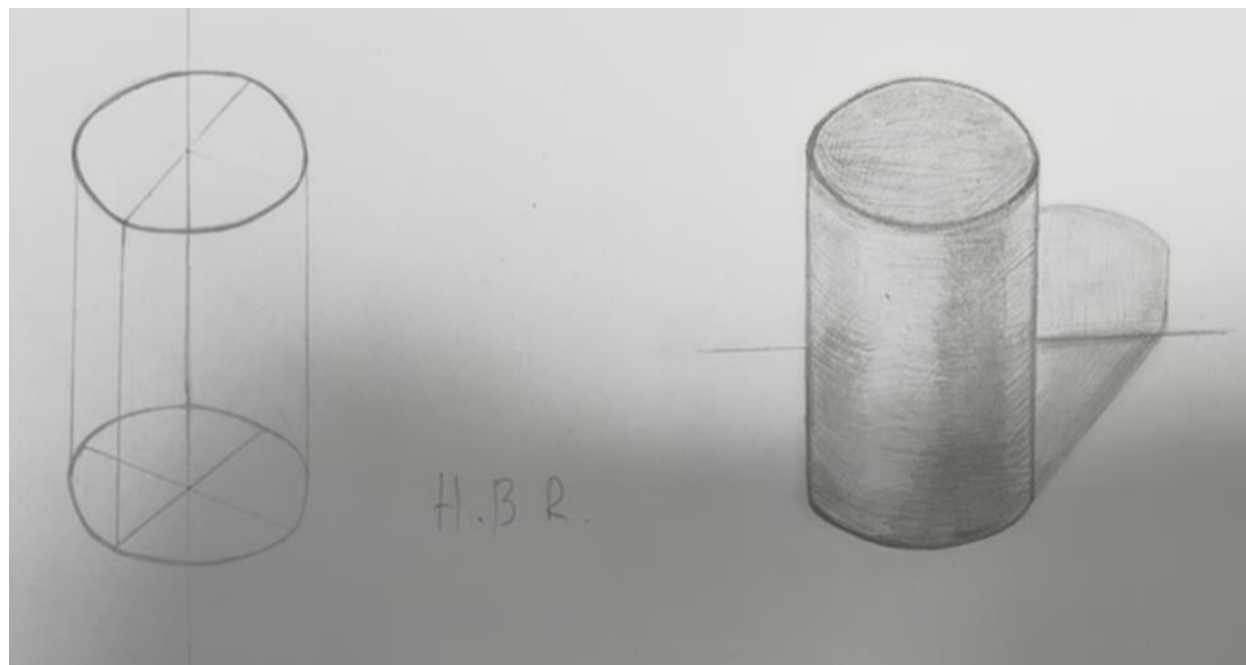


Figure 1

Once the linear constructive structure of the objects has been correctly executed, that is, after the correct placement, drawing and division, the spatial position

and dimensions of the materials, especially the light and shadows, are of great importance Figure 2.

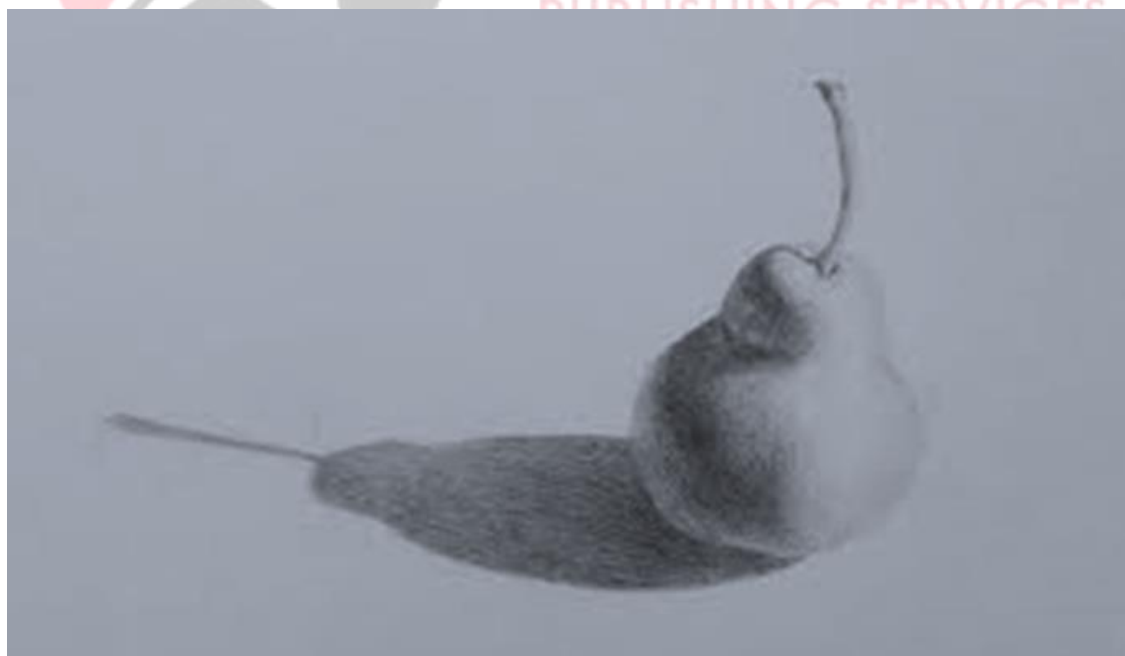


Figure 2

Architects can correctly depict the volumes of geometric bodies only through shadows and penumbras. As a result of light falling on objects, which returns and falls on another, it creates reflected light.

Light is direct sunlight or artificial light falling on the surface of an object. Shadow is the back (reverse) illuminated part of an object, a place where the rays of light did not fall. Figure 3.

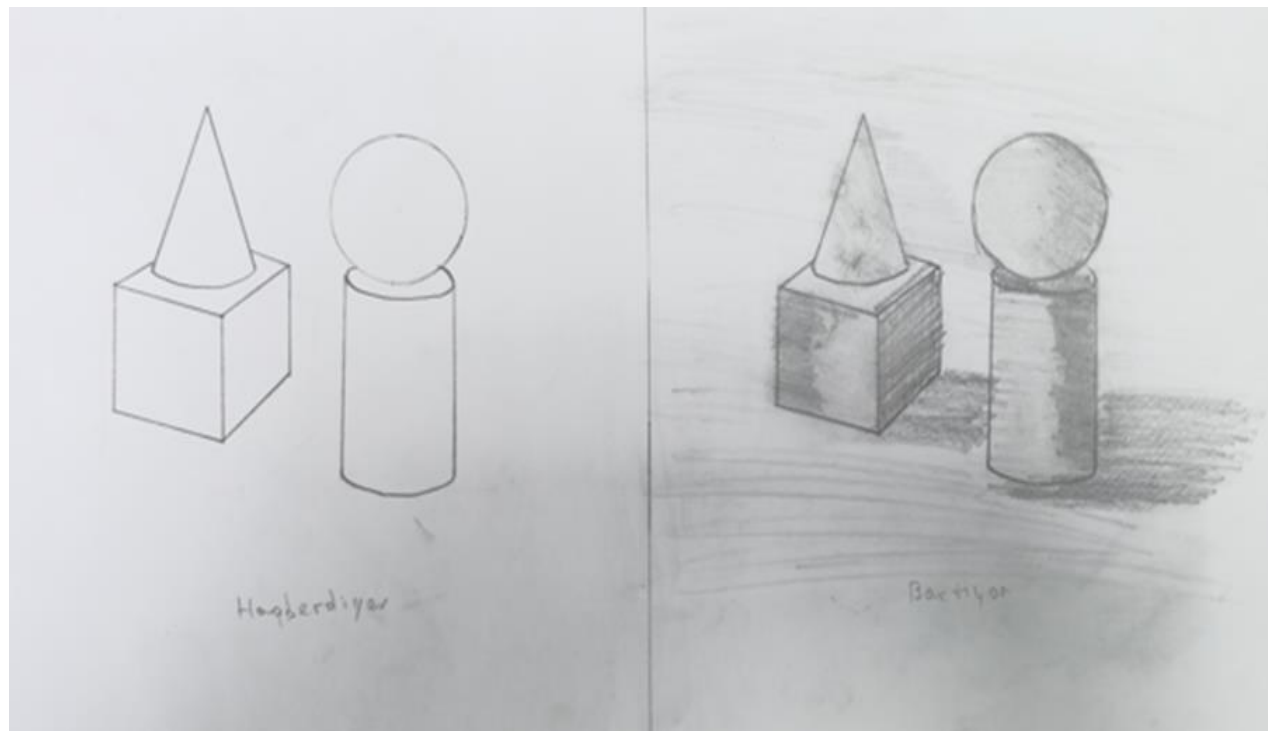


Figure 3.

When we talk about light and shadows, we must first understand what they are. Light is direct sunlight or artificial light falling on the surface of an object. We know that there are two types of light: natural light and artificial light. If we understand natural light as sunlight or moonlight, artificial light is created by electricity and

flame rays. Shadow is the back side of the illuminated part of objects, the side that is not exposed to light rays. There are 2 types of shadows. These are custom shadows and shadows. A private shadow is the side opposite the illuminated part of an object, that is, the part that is not exposed to light Figure 4.

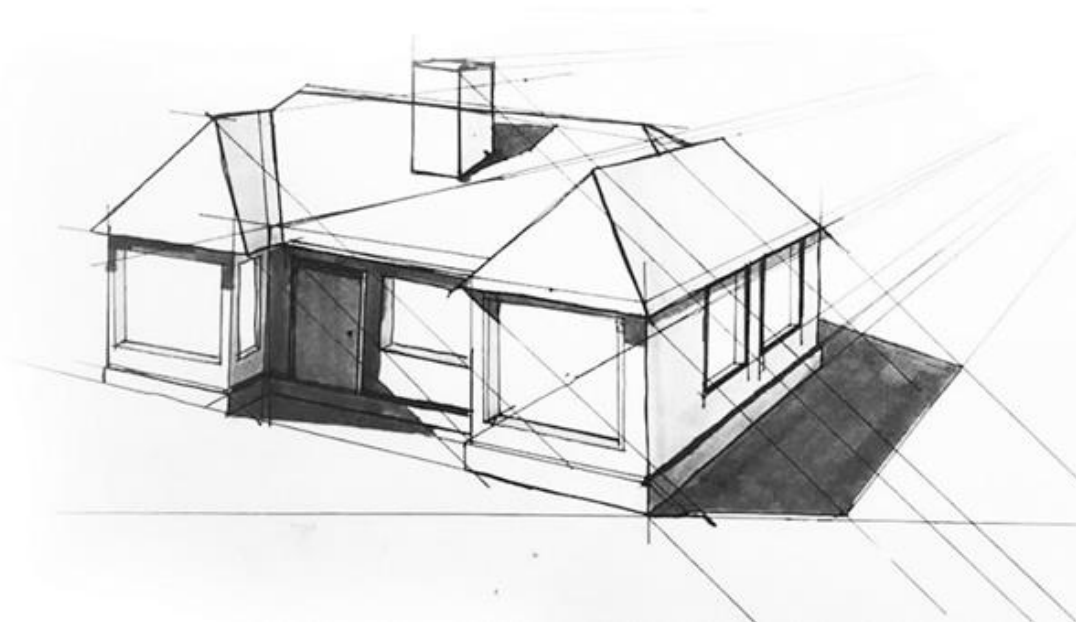


Figure 4.

In pencil drawing classes, the correct and realistic description of the sizes of objects is done with a simple pencil, and their shadows and highlights are also done with a simple pencil. It is advisable to make more sketches of buildings and structures, pencil drawings and practical exercises in order to work well with a pencil in architectural pencil drawing, painting and sculpture. Therefore, when drawing images of buildings and structures, it is recommended to work based on the shape and size of objects of different sizes and shapes. Penumbra is a penumbra in which the light falling on an object at an angle forms a penumbra. Penumbra is mainly located between light areas and private shadows, so the shadows are not uniformly dark. As a result of the objects hitting the reflected light can be stronger or weaker depending on how far

the objects are from each other. Therefore, when studying the meaning of the light and shadow aspect as the main tool of architectural pencil drawing, painting and sculpture, it is necessary to have accuracy, intelligence, knowledge and a strong spatial imagination in using the laws of light and shadow images.

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